

REVISION HISTORY				1	
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
08/06/08	N/C	INITIAL RELEASE	BNS	LS	REB
04/29/09	A	ADDED NAS1551-4-12P, 407BF-2600-5. NAS1149D0432K ON RAIL SIDE WERE 92141A029 & 91860A029. NAS1149F0632P WAS NAS1149D0632K. AN4-10A WAS AN4-7A. MS27039-1-11 WAS MS27039-1-08. ADDED NAS1149F0363P. CRCTN: -1 ASSY. WAS INDICATED 19 LBS.	REB	LS	REB
10/19/10	B	REMOVED 12X MS21209C1-20 (OPT) AND ASSOC'D HOLES. MOVED ALL COMPONENTS OF SUPPORT STRUTS AND ES35150-1 FITTINGS TO -112 DWG. ADDED -2 DOVETAIL RAIL. ADDED CTR DIM 6.00, DETAIL A DIM 0.56 WAS 0.563. ADDED THRD LOCK SH.1/REMOVED DIM REDUNCIES, ADDED 125 MAX SH. 2.	REB	LS	REB
07/06/11	C	ADDED SIX (-10) AND TWO (-11) 1/4-28 HELICAL COIL GROUNDING STRAP HOLES AND SHT3	TN	LS	REB
07/17/12	C ECO 1	CLEANED UP HELICOIL TAP SPECN FOR CLARITY, NO CHANGE TO PART	REB	LS	REB
4/11/22	D	REFORMATTED DRAWING. CORRECTED 1/4-20 HOLES TO 1/4-28 ON -10 AND -12.	DT	LS	DT

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UNLESS OTHERWISE SPECIFIED DRAWING INTERPRETED PER ASME Y14.100-2004 DIMENSIONS INTERPRETED PER ASME Y14.5-2006 DIMENSIONS IN INCHES		APPROVALS		DATE	
SURFACE FINISHES: 1X REMOVE BURRS & BREAK EDGES 0.005 TO 0.015		DT		4/11/22	
X ±.1 XX ±.01 XXX ±.005 ANGLES 2°		CHECKED ZA		4/11/22	
TOLERANCES: 1X INTERNAL CLASS 28 EXTERNAL CLASS 24		APPROVED DT		4/11/22	
© 2022 PARAVION TECHNOLOGY, INC. TRADEMARK OF PARAVION TECHNOLOGY, INC.		DT		4/11/22	
DOVETAIL RAIL ASSEMBLY		DRAWING NUMBER C208ELP-2210		CAGE CODE 3CMA0	
DO NOT SCALE DRAWING		SHEET 1 OF 6		REV D	

4

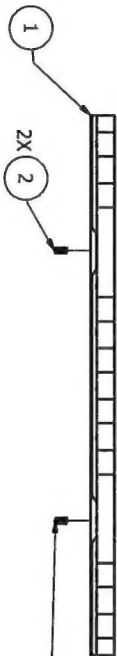
3

4

2

1

- NOTES:
1. APPLY PROTECTIVE FINISH TO BARE MATERIAL AS FOLLOWS:
PREP SURFACE PER MIL-DTL-5541 USING MIL-DTL-81706.
SURFACE TREATMENT PER MFR'S INSTRUCTIONS.
 2. FINISH USING MIL-PRF-23377 TYPE 1 OR MIL-PRF-85582 TYPE 1 PRIMER,
MIL-85285 TYPE 1 OPTIONAL. FINISH PER MFR'S INSTRUCTIONS AS APPLICABLE.




INSTALL 2X MS21209F4-20
USING PERMATEX/LOCTITE THREADLOCKER (RED)
(P/N 26250) OR EQUIV PER MFR INSTRUCTIONS



-2 DOVETAIL RAIL ASSEMBLY

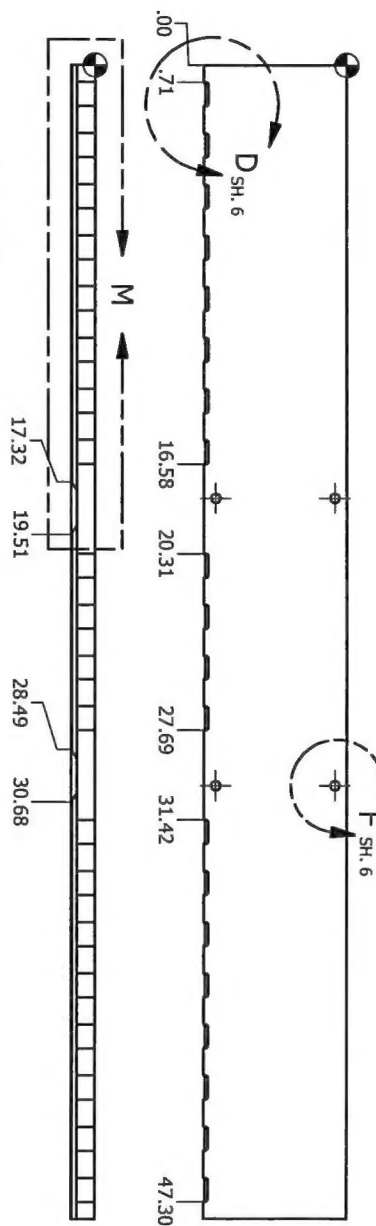
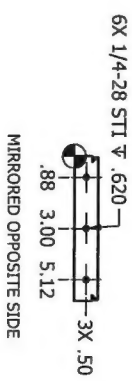
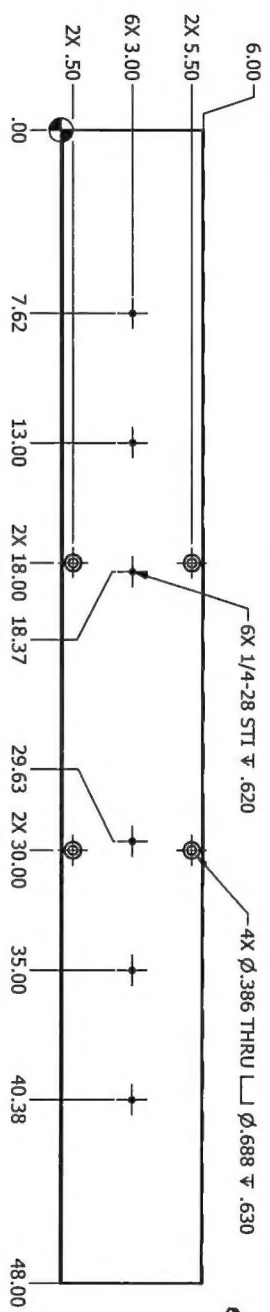
BREAK ALL SHARP EDGES

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C208ELP-2210-2 BOM			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	C208ELP-2210-12	DOVETAIL RAIL
2	2	MS21209F4-20	HELICOIL
UNLESS OTHERWISE SPECIFIED DRAWING INTERPRETED PER ASME Y14.100-2004 DIMENSIONS INTERPRETED PER ASME Y14.5-2009 DIMENSIONS IN INCHES			
APPROVALS		DATE	
DRAWN DT		4/11/22	
CHECKED ZA		4/11/22	
APPROVED DT		4/11/22	
SURFACE ROUGHNESS: $\sqrt{\text{ }}$ REMOVE BURS & BREAK EDGES 0.005 TO 0.015			
X ±.1 XX ±.04 XXX ±.02 ANGLES 3:1 TOLERANCE CLASS 3B EXTERNAL CLASS 2A			
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THIRD ANGLE PROJECTION			
DRAWING NUMBER C208ELP-2210			
DO NOT SCALE DRAWING			
CASE CODE 3CMA0			
REV D			
ECO			
SHEET 3 OF 6			

DOVETAIL RAIL ASSEMBLY	
✓ Paravion® Inc.	
2001 AIRWAY AVENUE FORT COLLINS, CO 80524 www.paravion.com	

Paravion® Inc.
2001 AIRWAY AVENUE
FORT COLLINS, CO 80524
www.paravion.com



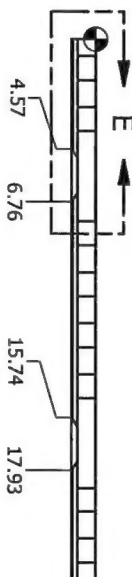
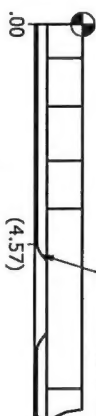
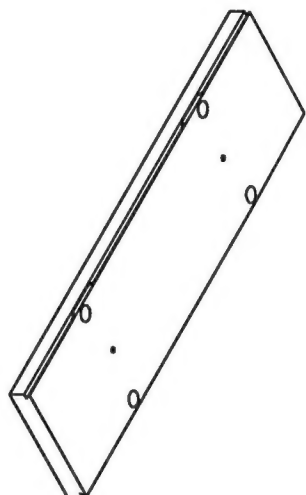
-10 DOVETAIL RAIL
 MATERIAL: 6061-T6511 PER QQ-A-200/8, AMS 4173, OR AMS 4150
 FINISH: ANODIZE BLACK PER MIL-A-8625 TYPE III (0.001 MIN THICK), CLASS 2 UNSEALED (OR EQUIV.)

VIEW A-A

BREAK ALL SHARP EDGES


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UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	
DRAWING INTERPRETED PER ASME Y14.100-2004	PER ASME Y14.100-2004	DRAWN	DT	4/11/22	
DIMENSIONS INTERPRETED PER ASME Y14.5-2009	PER ASME Y14.5-2009	CHECKED	ZA	4/11/22	
DIMENSIONS IN INCHES		APPROVED	DT	4/11/22	
SURFACE ROUGHNESS: R/					
REMOVE BURRS & BREAK EDGES	0.005 TO 0.015				
THREADS	INTERNAL CLASS 2B				
ANGLES 5°	EXTERNAL CLASS 2A				
THIRD ANGLE PROJECTION					
DOVETAIL RAIL ASSEMBLY		Paravion® Inc.		2001 AIRWAY AVENUE FORT COLLINS, CO 80524 www.paravion.com	
DRAWING NUMBER	C208ELP-2210	CAGE CODE	3CMA0	REV	ECO
DO NOT SCALE DRAWING		SHEET 4 OF 6			



-12 DOVETAIL RAIL

MATERIAL: 6061-16511 PER QQ-A-200/8, AMS 4173, OR AMS 4150
FINISH: ANODIZE BLACK PER MIL-A-8625 TYPE III (0.001 MIN THICK), CLASS 2 UNSEALED (OR EQUIV.)

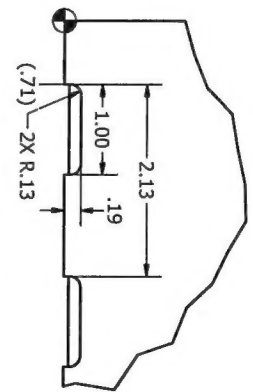
UNLESS OTHERWISE SPECIFIED		Paraviron® Inc. 2201 AIRWAY AVENUE FORT COLLINS, CO 80524 www.paraviron.com	
DRAWING INTERPRETED PER ASME Y14.100-2004	APPROVALS	DATE	DOVETAIL RAIL ASSEMBLY DRAWING NUMBER C208ELP-2210 CAGE CODE 3C4M4 REV D SHEET 5 OF 6
DIMENSIONS INTERPRETED DIMENSIONS IN INCHES	DRAWN DT	4/11/22	
	CHECKED DT	4/11/22	
	APPROVED DT	4/11/22	
SURFACE FINISHES: $\sqrt{\text{R}}$ REMOVE BURRS & BREAK EDGES 0.005 TO 0.015			
© 2022 PARAVIRON TECHNOLOGY, INC. PARAVIRON IS A TRADEMARK OF PARAVIRON TECHNOLOGY, INC.			
 THIRD ANGLE PROJECTION			
X 1.1 X 2.0 X 3.0 ANGLES ±1°			
THREADS EXTERNAL, CLASS 2B ±0.00 ±0.005 INTERNAL, CLASS 2A			

DETAIL M

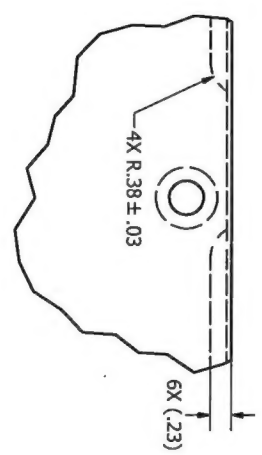


8X REFERENCE DOVETAIL
TOOLING ARC.
ENSURE NO BREAKTHRU
WITH COUNTERBORE.

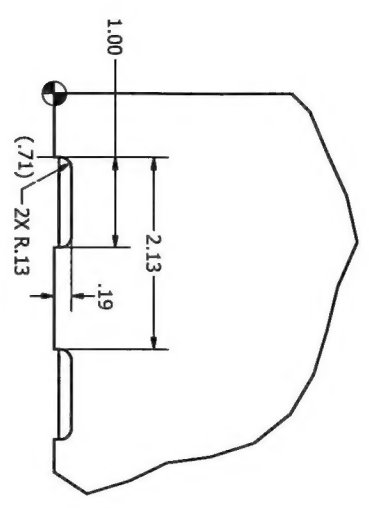
DETAIL G
8X SLOTS



DETAIL F
4 PLCS (2X PER SIDE)

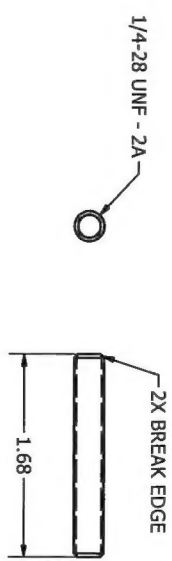


DETAIL D
20X SLOTS



-11 THREADED ROD

MATERIAL: 316 STAINLESS STEEL PER MIL-S-5059 OR AMS 5524
FINISH: (OPTIONAL) PASSIVATE PER ASTM A967



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UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	
DRAWING INTERPRETED PER ASME Y14.100-2004		DRAWN DT		4/11/22	
DIMENSIONS UNLESS OTHERWISE SPECIFIED		CHECKED ZA		4/11/22	
DIMENSIONS IN INCHES		APPROVED DT		4/11/22	
SURFACE ROUGHNESS REMOVE BURRS & BREAK EDGES 0.005 TO 0.015		© 2022 PARAVION TECHNOLOGY, INC. TRADEMARK OF PARAVION IS A REGISTERED TRADEMARK		THIRD ANGLE PROJECTION	
X 1.1 2X 2.0 2X 4.0 ANGLES 31°		DOVETAIL RAIL ASSEMBLY		DRAWING NUMBER C208ELP-2210	
THREADED ROD - CLASS 3B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING		CASE CODE 3CMA0	
				REV D	
				ECO	

BREAK ALL SHARP EDGES